Index of Claims

| Applic | ation | /Cont | rol No. |
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|        |       |       |         |

<sup>--</sup>10/668,936

Applicant(s)/Patent under Reexamination

SANICOLA-NADEL ET AL.

Art Unit

Examiner

Alana M. Hamis, Ph.D.

1643

| <b>√</b> | Rejected |
|----------|----------|
| =        | Allowed  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| + | Restricted                     |

| Z | Non-Elected  |
|---|--------------|
| _ | Interference |

| Α | Appeal   |
|---|----------|
| 0 | Objected |

| Cla      | aim      | ij,              |  |  | Date                | •              |                 |              |          |      | Cla   | im       |              |          |                | 0              | ate      |          |                         |              |        | С            | aim        |              |  |  |  | Date     | •                                   |                |          | _ |
|----------|----------|------------------|--|--|---------------------|----------------|-----------------|--------------|----------|------|-------|----------|--------------|----------|----------------|----------------|----------|----------|-------------------------|--------------|--------|--------------|------------|--------------|--|--|--|----------|-------------------------------------|----------------|----------|---|
|          | - E      | 1                |  |  |                     |                |                 |              |          |      |       | व        |              |          |                |                |          |          |                         |              |        | _            | <u>a</u>   | Ì            |  |  |  |          |                                     | - 1            |          |   |
| Final    | j.       | N                | 1  |  |                     |                |                 |              |          |      | Final | gin      |              | ll       |                |                |          |          |                         |              |        | Final        | g.         |              |  |  |  |          |                                     |                |          |   |
| Œ        | Original | m                |  |  |                     |                |                 |              |          |      | Œ     | Original |              |          |                |                |          |          |                         |              |        | 证            | Original   |              |  |  |  |          |                                     | -              |          |   |
| <u> </u> |          | ग्य              |  | $\vdash$                               | Ш                   | _              | _               | +            | -        |      |       |          | _            | Н        |                | -              |          |          | +                       | +            | -      |              |            | H            | ┡                                      | ┝  |  | -        |                                     | $\dashv$       | $\dashv$ | — |
| ├        | 1        | -                |  | $\vdash$                               | Н                   | _              |                 | -+           | -        |      |       | 51       | -            | H        |                | -              |          | -        | +                       | +            | -      |              | 101        | ⊢            | $\vdash$                               | ┢  | -  | -        | $\vdash$                            |                | $\dashv$ | — |
| <u> </u> | 2        | -                | $\vdash\vdash$                                   | $\vdash$                               | -                   | $\dashv$       | $\dashv$        |              |          |      |       | 52<br>53 | ⊢            | H        | -              | $\dashv$       | $\dashv$ | $\dashv$ |                         | ╁            | -      |              | 102        | -            | $\vdash$                               | H  |  |          | $\vdash$                            | ᆉ              | $\dashv$ | _ |
| ├─-      | 3        | $\forall$        | <del>                                     </del> | $\vdash$                               | $\left  - \right $  | $\vdash$       | +               | +            | -        |      |       | 54       | $\vdash$     | -        |                | $\dashv$       | $\dashv$ | +        | ╅                       | +-           | -      |              | 103        | ┢            | ╁                                      | ╁  | -  | $\vdash$ |                                     | $\dashv$       | $\dashv$ | _ |
| <u> </u> | 5        | <del>  Y</del> - | $\vdash$   | ╁                                      | Н                   |                |                 | $\dashv$     | -        |      |       | 55       | $\vdash$     | Н        | -              | Н              | Ŧ        | +        | +                       | ╁            | -      |              | 105        | 一            | Н                                      | $\vdash$   | _  |          | Н                                   | $\dashv$       | -        |   |
|          | 6        | -                | $\vdash$   | $\vdash$                               |                     |                |                 | $\dashv$     | -        |      |       | 56       | $\vdash$     | Н        |                |                |          | +        | +                       | +            | 1      |              | 106        | ┢            |  |  |  |          |                                     | 寸              | $\dashv$ | _ |
|          | 7        | Н                |  | П                                      | П                   |                |                 | $\dashv$     | ٦.       |      |       | 57       | 1            |          |                |                |          | 十        | $\top$                  | $\top$       | 1      |              | 107        | Г            | 1                                      |  |  |          |                                     |                | $\neg$   | _ |
|          | 8        | $\vdash$         |  | П                                      | П                   |                |                 | $\dashv$     |          |      |       | 58       |              | П        | $\neg$         |                |          |          |                         | $\top$       | 1      |              | 108        |              | Г                                      |  |  |          |                                     |                |          |   |
|          | 9        | Г                |  |  |                     |                |                 |              |          |      |       | 59       |              |          |                |                |          |          |                         |              |        |              | 109        |              |  |  |  |          |                                     |                |          |   |
|          | 10       |                  |  |  |                     |                |                 |              |          |      |       | 60       |              |          |                |                |          |          |                         |              | ]      |              | 110        |              |  |  |  |          |                                     |                | _]       |   |
|          | 11       |                  |  | $\Box$                                 |                     |                |                 | $\Box$       |          |      |       | 61       | 匚            |          |                |                |          |          | Ĺ                       | $\perp$      |        |              | 111        | L            | $oldsymbol{oldsymbol{oldsymbol{eta}}}$ |  | L  | Ш        | $oxed{oxed}$                        | _              | _        | _ |
|          | 12       | Ĺ                |  |  | Ш                   |                |                 | $\perp$      | _        |      |       | 62       | <u>_</u>     | Ш        | ļ              |                |          | _        | $\perp$                 | $\bot$       | 4      |              | 112        | _            | ╙                                      | <u> </u>   | _  | Щ        |                                     | $\perp$        | _        | _ |
|          | 13       | L                | $oxed{oxed}$                                     | Щ                                      | Ш                   | Ш              | Ц               | _            | _        |      |       | 63       | _            | Щ        | $\Box$         |                | _        | 4        | 4                       | $\bot$       | 4      |              | 113        | <u> </u>     | ┞                                      | 1  |  | Ш        | Щ                                   | $\dashv$       | $\dashv$ | _ |
|          | 14       | _                |  | $\vdash$                               | Ш                   | Ш              | $\sqcup$        | $\downarrow$ | _        |      |       | 64       | <u> </u>     | Ш        | $\square$      |                |          | 4        | 4                       | +            | -      |              | 114        | ⊢            | ├                                      | ├  | $\vdash$   | Ш        | $\vdash$                            | $\dashv$       | $\dashv$ |   |
|          | 15       | $\vdash$         |  | $\vdash$                               | Н                   | Ш              | $\vdash$        | _            | $\dashv$ |      |       | 65       | <b>├</b>     | Н        |                |                |          | +        | +                       | +            | -      |              | 115        | $\vdash$     | ⊢                                      | $\vdash$   | $\vdash$   | $\vdash$ | $\vdash$                            | $\dashv$       | $\dashv$ | _ |
|          | 16       | ⊢                |  | $\vdash$                               |                     | Н              | $\dashv$        | +            |          |      |       | 66<br>67 | ├            | $\vdash$ | $\vdash$       |                | $\dashv$ | $\dashv$ | +                       | ╫            | -      | -            | 116<br>117 | ├            | ⊢                                      | $\vdash$   | $\vdash$   | Н        | $\vdash$                            |                |          | — |
| <u> </u> | 17<br>18 | -                | $\vdash$   | $\vdash$                               | $\vdash$            | $\vdash\vdash$ | $\dashv$        | $\dashv$     | $\dashv$ |      |       | 68       | $\vdash$     | $\vdash$ | $\vdash$       |                | $\dashv$ | +        | ╁                       | +-           | -      | _            | 118        | -            | <del>  -</del>                         | $\vdash$   | $\vdash$   | Н        | Н                                   | -              | $\dashv$ | _ |
| <u> </u> | 19       | -                | $\vdash$   | -                                      | ╢                   | Н              | $\dashv$        | $\dashv$     | $\dashv$ |      |       | 69       |              | Н        |                | -              | $\dashv$ | +        | -                       | +-           | -      |              | 119        | ├            | ┢                                      | -  | -  |          | $\vdash$                            | -              | -        | _ |
|          | 20       | ├─               | $\vdash$   | $\vdash$                               | Н                   |                |                 | $\dashv$     | $\dashv$ |      |       | 70       | ⊢            | $\vdash$ | $\dashv$       | $\dashv$       | $\dashv$ | +        | ╅                       | ╁            | ┨      |              | 120        | -            | ┢                                      | ╁  | -  |          | $\vdash$                            | $\dashv$       | -        |   |
| _        | 21       | ├                | 1  | $\vdash$                               | Н                   | $\vdash$       | $\dashv$        | 十            | -        |      |       | 71       | T            | Н        | -              | $\neg$         | 寸        | +        | ╅                       | +            | 1      |              | 121        | ✝            |  | $\vdash$   | _  |          | -                                   | $\neg$         | $\dashv$ |   |
| -        | 22       | ┢                | $\vdash$   | $\vdash$                               | Н                   |                |                 | $\dashv$     | -        |      |       | 72       | 一            | П        |                |                | ┪        | $\top$   | ╅                       | +            | 1      |              | 122        | T            | 1                                      | T  | $\vdash$   |          | П                                   | $\Box$         | $\neg$   |   |
|          | 23       | Т                |  | $\vdash$                               | Н                   |                |                 | $\exists$    |          |      |       | 73       |              |          |                |                | 一        |          | 十                       | $\top$       | ١!!!   |              | 123        |              | Γ                                      |  |  |          |                                     |                | $\Box$   |   |
|          | 24       |                  |  |  | П                   |                |                 | $\top$       |          |      |       | 74       | Π            |          |                |                |          |          |                         | T            |        |              | 124        |              |  |  |  |          |                                     |                |          |   |
|          | 25       | Г                |  |  |                     |                |                 |              |          |      |       | 75       |              |          |                |                |          |          |                         |              |        |              | 125        | L            |  |  |  |          |                                     |                |          |   |
|          | 26       |                  |  |  |                     |                |                 |              |          |      |       | 76       |              |          |                |                | $\Box$   |          |                         | $\perp$      |        |              | 126        | <u> </u>     | _                                      | _  |  |          |                                     |                |          | _ |
|          | 27       | L                |  | $oxed{oxed}$                           | Ш                   |                |                 |              | _        |      |       | 77       | <u> </u>     |          |                |                | _        |          | 4                       | $\bot$       | _      |              | 127        | L            | L                                      | _  | <u> </u>   |          |                                     | $\dashv$       |          | _ |
|          | 28       | _                | $\sqcup \sqcup$                                  |  | Ш                   |                |                 | _            | _        |      |       | 78       | <u> </u>     |          | $\Box$         |                | _        | _        | 4                       | $\bot$       | _      |              | 128        | ┡            | _                                      | $oxed{igspace}$                                  | <u> </u>   | _        |                                     | $\dashv$       | _        | _ |
|          | 29       | 匚                | igspace  | <u> </u>                               |                     |                |                 | _            | _        |      |       | 79       | ┡            |          |                | Ш              | 4        |          | 4                       | 4            | -      |              | 129        | <b>├</b>     | ⊢                                      | ⊢  | ┡  |          |                                     | $\dashv$       | 4        |   |
|          | 30       | _                |  | $\perp$                                | Ш                   | Щ              | _               | 4            | _        |      |       | 80       | <b>├</b>     | _        |                | -              | 4        | 4        |                         | +-           | 4      |              | 130        | ├_           | <b>├</b> -                             |  | ┝  | _        |                                     | $\dashv$       | 4        |   |
|          | 31       | _                | $\vdash \vdash$                                  | $\vdash$                               | $\vdash$            | Ш              | $\vdash$        | +            | - ∷      |      |       | 81       | ₩            | $\vdash$ |                | $\vdash$       | -        | +        | +                       | +-           | -      |              | 131<br>132 | -            |  | ┼  | ⊢  | Н        |                                     | $\vdash$       | -        | _ |
| -        | 32<br>33 | -                | -  | $\vdash$                               | $\vdash$            | $\vdash$       | $\dashv$        | +            | -        |      |       | 82<br>83 | ╁            | $\vdash$ | $\vdash$       | $\vdash$       | $\dashv$ | $\dashv$ | +                       | +            | -      | -            | 133        | -            | ├-                                     | ┼  | <del> </del> —                                   |          | -                                   | <del>   </del> | $\dashv$ |   |
| $\vdash$ | 34       | ├                | <del>                                     </del> | $\vdash$                               | Н                   | Н              | $\vdash$        | +            | $\dashv$ |      |       | 84       | $\vdash$     | $\vdash$ | $\vdash$       | $\vdash$       | -        | +        | ╅                       | +-           | ۱      |              | 134        | $\vdash$     | $\vdash$                               | +  | $\vdash$   | $\vdash$ | $\vdash$                            | +              | $\dashv$ | _ |
| $\vdash$ | 35       | $\vdash$         | <del>                                     </del> | $\vdash$                               | Н                   | H              | $\vdash$        | $\dashv$     | -        |      |       | 85       | $\vdash$     | $\vdash$ | $\vdash$       | $\vdash$       | $\dashv$ | $\dashv$ | +                       | +            | 1      | _            | 135        | $\vdash$     | 1                                      | 1  | $\vdash$   |          | Н                                   | $\Box$         | $\dashv$ |   |
|          | 36       | $\vdash$         | <del>                                     </del> | H                                      | Н                   | Н              | $\vdash$        | +            | $\dashv$ |      |       | 86       | $\vdash$     |          | $\vdash$       | Н              | -        | -+-      | +                       | $\top$       | ۱      | <b></b>      | 136        |              | T                                      | <del>                                     </del> | <del>                                     </del> | $\vdash$ |                                     |                | $\dashv$ |   |
| <b></b>  | 37       |                  | <del>                                     </del> | $\vdash$                               | Н                   | Н              | $\vdash$        | 十            | -        |      |       | 87       | T            |          | $\Box$         | Н              |          | $\top$   | +                       | $\top$       | 1      |              | 137        | Т            |  | 1  |  |          | П                                   |                | $\neg$   |   |
|          | 38       | Т                |  | П                                      | П                   | Н              | $\vdash$        | $\dashv$     | 7        |      |       | 88       |              |          | П              |                |          | _        | $\top$                  |              | ]      |              | 138        |              |  |  |  |          |                                     |                |          |   |
|          | 39       | Π                |  | T                                      | П                   |                |                 | 丁            |          |      |       | 89       |              |          |                |                |          |          |                         | $oxed{oxed}$ | ]      |              | 139        |              |  |  |  |          |                                     |                |          |   |
|          | 40       |                  |  |  |                     |                |                 |              |          |      |       | 90       |              |          |                |                |          |          | $oldsymbol{\mathbb{T}}$ | I            |        |              | 140        |              |  |  |  |          |                                     |                |          |   |
|          | 41       |                  |  |  |                     |                |                 | $\Box$       |          |      |       | 91       |              |          |                |                |          |          | $\perp$                 |              | ⇃᠁     |              | 141        | oxdot        | $\perp$                                | 匚  | <u> </u>   |          | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | $\Box$         | ]        | _ |
|          | 42       |                  |  |  | $\Box$              |                |                 | $\Box$       | _]       |      |       | 92       | oxdot        |          |                |                |          |          |                         |              | 4      |              | 142        | <u>_</u>     | ــــ                                   | ↓_   | <u> </u>   | <u> </u> | L.                                  | Щ              |          |   |
|          | 43       |                  |  | $oxed{oxed}$                           | Ш                   | Ш              | $\Box$          | $\perp$      | _        |      |       | 93       | <u> </u>     | Ш        | Ш              | Ш              | _        | $\perp$  |                         | 4            | 4      | L            | 143        | ļ            | 1_                                     |  | <u> </u>   | <u> </u> | <b> </b>                            |                |          |   |
|          | 44       |                  |  | $\perp$                                | Ш                   | Ш              |                 | $\perp$      | _        |      |       | 94       | Ь            | $\vdash$ | Щ              | Ш              | _        | $\bot$   | 4                       | +            | 4      |              | 144        | <del> </del> |  |  | <u> </u>   | $\vdash$ | $\vdash$                            | $\vdash$       |          | - |
| <u> </u> | 45       | _                | $\sqcup \bot$                                    | $\perp$                                | Ш                   | Ш              |                 | $\dashv$     | _        |      |       | 95       | <del> </del> | <u> </u> |                | Н              | _        | +        | +                       | +            | -      |              | 145        | ⊢            | $\vdash$                               | 1  | <u> </u>   | $\vdash$ | $\vdash$                            | H              |          | - |
|          | 46       | -                |  | $\vdash$                               | Ш                   | $\sqcup$       |                 | -+           | -        |      |       | 96       | ├            | -        | $\vdash$       | $\vdash\vdash$ | $\dashv$ | -        | - -                     | +            | -      |              | 146        | ⊢            | +                                      | 1-   | -  | $\vdash$ | $\vdash$                            | $\vdash$       |          | - |
|          | 47       | -                |  | $\vdash$                               | $\vdash$            | $\vdash$       | $\vdash$        | $\dashv$     |          |      |       | 97<br>98 | <b>⊢</b> –   |          | $\vdash$       | Н              | -        | +        |                         | +            | -      | ├            | 147        | ⊢            | +                                      | +-   | -  | $\vdash$ | $\vdash$                            | $\vdash$       | _        |   |
| <u> </u> | 48       | $\vdash$         | $\vdash$   | ╁                                      | $\vdash$            | $\vdash$       | $\vdash \vdash$ | +            |          |      |       | 98       | -            | -        | $\vdash\vdash$ | $\vdash$       | $\dashv$ | $\dashv$ | +                       | ╁.           | -      | <del> </del> | 148        | ╁            | +-                                     | $\vdash$   | ╁  | $\vdash$ | $\vdash$                            | $\vdash$       |          | _ |
|          | 49<br>50 | $\vdash$         | -  | ╁                                      | $\vdash$            | Н              | $\vdash \vdash$ | $\dashv$     | {        |      |       | 100      | $\vdash$     | $\vdash$ | Н              | $\vdash$       | $\dashv$ | +        | +                       | +            | -      | <del> </del> | 150        | ╁            | +-                                     | $\vdash$   | ┰  | $\vdash$ | $\vdash$                            | $\vdash$       | -        | _ |
|          | DU       |                  |  | ــــــــــــــــــــــــــــــــــــــ | $oldsymbol{\sqcup}$ |                |                 |              | ::لــــ  | :::: |       | IUU      |              |          | ш              | ш              |          |          |                         | _L_          | _::::: | L            | 1 100      | _            | ــــــــــــــــــــــــــــــــــــــ | Щ_   |  |          | Ц_                                  | لبا            |          | _ |